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This listing of claims will replace all prior versions, and listings, of claims in

the application:

Listing of Claims:

CLAIMS:

1. (Currently Amended, Withdrawn) A watering system for a

poultry house, the watering system comprising:

a watering line, said watering line comprising a plurality of pipe segments

connected together by a coupling mechanism; said pipe segments each including

at least one drinker opening positioned along a side of the pipe segment; said

coupling mechanism comprising a tube having opposed opened ends, said tube

being sized and shaped to axially and slidingly receive said pipes segments in

the opposed opened ends of said tube; a seal to form a fluid tight seal between

said pipe segments and said tube; and a keying element which engages ends of

said pipe segments; said coupling mechanism being at a predetermined location

relative to said drinker opening; said coupling mechanism rotationally fixing said

pipe segments relative to each other such that the drinker openings of the pipes

segments in the watering line are rotationally aligned and rotationally fixed;

a stabilizing bar, said stabilizing bar including an axially extending

shoulder; and

a plurality of clips which suspend said watering line from said stabilizing

bar;;

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whereby, said coupling mechanism keys and rotationally fixes said pipe

segments of said water line on to another to ensure alignment of said drinker

openings and to prevent rotational movement of said pipe segments relative to

each other:.

2. (Withdrawn) The watering system of claim 62 wherein said pipe

segment projection includes an outer surface and a depression formed in said

outer surface; said clip boot comprising radiused surface which engages said

pipe segment depression.

3. (Withdrawn) The watering system of claim 2 wherein said boot

includes a back surface, front surface, side surfaces, and bottom surface defining

a pocket; said boot front surface having a top edge defining said radiused

surface; said projection including a portion which is received in said clip boot

pocket.

4. (Withdrawn) The watering system of claim 1 wherein said coupling

mechanism comprises a keying element which engages ends of said pipe

segments to rotationally align and rotationally fix adjacent pipe segments relative

to each other.

5. (Withdrawn) The watering system of claim 4 wherein said keying

element comprises the end formations on said pipe segments; said end

formations comprising at least one arcuate segment extending axially from the

ends of said pipe segments; said end formations of adjacent pipe segment

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intermeshing to rotationally align and rotational fix adjacent pipe segments relative to each other.

6. (Withdrawn) The watering system of claim 4 wherein said keying

element is separate from said pipe segments; said pipe segments comprising an

opening at the ends of said pipe segments to receive the keying element.

7. (Withdrawn) The watering system of claim 6 wherein said keying

element is a pin, and said opening comprises a bore extending inwardly from an

end of said pipe segment.

8. (Withdrawn) The watering system of claim 7 wherein said pipe

segment includes a rib extending axially from an end of said pipe segment, said

bore being formed in said rib.

9. (Withdrawn) The watering system of claim 8 wherein said rib is

formed on an inner surface of said pipe segment.

10. (Withdrawn) The watering system of claim 6 wherein said keying

element is a plate; said plate comprising opposed edges, at least one of said

plate opposed edges including a projection; said pipe segment opening

comprising a slot extending inwardly from an end of said pipe segment, said slot

being sized to receive the plate projection; said plate projection having a length

such that it extends from the slot of one pipe segment into the slot of an adjacent

pipe segment.

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11. (Withdrawn) The watering system of claim 4 including a coupler to

form a water tight seal between adjacent pipe segments; said keying element

extending from a surface of said coupler.

12. (Withdrawn) The watering system of claim 11 wherein said keying

element comprises a rod, said water pipe segments including a bore at the ends

therefor; said bore being positioned to be aligned with said coupler cylinder.

13. (Withdrawn) The watering system of claim 12, wherein said rod is

hollow; said coupling system further including a pin sized to be received in and

extend between said coupler hollow rod and said pipe segment bore.

14. (Withdrawn) The watering system of claim 12 wherein said rod

defines a pin sized to be received in said pipe segment bore.

15. (Withdrawn) The watering system of claim 11 wherein said keying

element comprises a rib extending axially along a surface of said coupler, said

opening in said pipe segment comprising a slot extending inwardly from an end

of said pipe segment.

16. (Withdrawn) The watering system of claim 15 wherein said keying

element further includes an axially extending cap on said rib, said cap having a

bottom surface which extends outwardly from opposite sides of said rib, whereby

said key has a generally T-shaped configuration in end elevation, said key rib

having a height slightly greater than the annular width of said pipe segment;

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whereby, said key cap will sandwich said pipe segment between said key cap and said coupler inner surface.

17. (Withdrawn) The watering system of claim 16 wherein said cap has a curvature corresponding to the curvature of said pipe segment and said

coupler inner surface.

18. (Withdrawn) The watering system of claim 15 wherein said coupler

includes a stop on an inner surface of said coupler body; said stop being

substantially perpendicular to said key, said stop being positioned in said coupler

body to be positioned approximately midway along the length of said key.

19. (Withdrawn) The watering system of claim 18 wherein said stop

comprises a circumferential rib.

20. (Withdrawn) The watering system of claim 11 including a key

position indicator on an outer surface of said coupler body; said key position

indicator having an angular position on said body corresponding to the angular

position of said key within said body.

21. (Currently Amended) A tube coupling mechanism for

rotationally aligning and positively rotationally fixing two adjacent pipe segments

of an animal drinking system relative to each other; said pipe segments being

hollow to allow the passage of fluid therethrough and comprising at least one

outlet positioned on a wall of said pipe segment along the length of said pipe

segments; said coupling mechanism comprising a tube having opposed opened

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ends, said tube being sized and shaped to axially and slidingly receive said pipes

segments in the opposed opened ends of said tube; a seal to form a fluid tight

seal between said pipe segments and said tube; and a keying element which

engages ends of said pipe segments to rotationally align and rotationally fix

adjacent pipe segments relative to each other such that said at least one outlet of

each of said two pipe segments are rotationally aligned.

22. (Withdrawn) The tube coupling mechanism of claim 21 wherein

said keying element comprises end formations extending axially from the ends of

said pipe segments; said end formations of adjacent pipe segment intermeshing

to rotationally align and rotational fix adjacent pipe segments relative to each

other.

23. (Withdrawn) The tube coupling mechanism of claim 22 wherein

said end formations comprise at least one curved segment.

24. (Withdrawn) The tube coupling mechanism of claim 23 wherein

said curved segments of adjacent pipe sections mesh together to form a circle.

25. (Original) The tube coupling mechanism of claim 21 wherein

said keying element is separate from said pipe segments; said pipe segments

comprising an opening at the ends of said pipe segments to receive the keying

element.

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26. (Withdrawn) The tube coupling mechanism of claim 25 wherein

said keying element is a pin, and said opening comprising a bore extending

inwardly from an end of said pipe segment.

27. (Withdrawn) The tube coupling mechanism of claim 26 wherein

said pipe segment includes a rib extending axially from an end of said pipe

segment, said bore being formed in said rib.

28. (Withdrawn) The tube coupling mechanism of claim 27 wherein

said rib is formed on an inner surface of said pipe segment.

29. (Withdrawn) The tube coupling mechanism of claim 25 wherein

said keying element is a plate; said plate comprising opposed edges, at least one

of said plate opposed edges including a projection; said pipe segment opening

comprising a slot extending inwardly from an end of said pipe segment, said slot

being sized to receive the plate projection; said plate projection having a length

such that it extends from the slot of one pipe segment into the slot of an adjacent

pipe segment.

30. (Currently Amended) The tube coupling mechanism of claim

21 wherein said keying element is integral said coupler tube and extends from a

surface of said coupler tube.

31. (Withdrawn) The watering system of claim 30 wherein said keying

element comprises a rod, said water pipe segments including a bore at the ends

thereof; said bore being positioned to be aligned with said coupler cylinder.

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32. (Withdrawn) The watering system of claim 31, wherein said rod is hollow; said coupling system further including a pin sized to be received in and

extend between said coupler hollow rod and said pipe segment bore.

33. (Withdrawn) The watering system of claim 31 wherein said rod

defines a pin sized to be received in said pipe segment bore.

34. (Currently Amended) The tube coupling mechanism of claim

30 wherein said keying element comprises a rib extending axially along a surface

of said coupler tube; said opening in said pipe segment comprising a slot

extending inwardly from an end of said pipe segment.

35. (Currently Amended) The tube coupling mechanism of claim

34 wherein A tube coupling mechanism for rotationally aligning and positively

rotationally fixing two adjacent pipe segments relative to each other; said

coupling mechanism comprising a tube having opposed opened ends, said tube

being sized and shaped to axially receive said pipes segments in the opposed

opened ends of said tube; a seal to form a fluid tight seal between said pipe

segments and said tube; and a keying element which engages ends of said pipe

segments to rotationally align and rotationally fix adjacent pipe segments relative

to each other; said keying element being integral with said tube and extending

from a surface of said tube; said keying element comprising a rib extending

axially along a surface of said tube; said opening in said pipe segment

comprising a slot extending inwardly from an end of said pipe segment; said

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keying element further includes including an axially extending cap on said rib,

said cap having a bottom surface which extends outwardly from opposite sides of

said rib, whereby said key has a generally T-shaped configuration in end

elevation, said key rib having a height slightly greater than the annular width of

said pipe segment; whereby, said key cap will sandwich said pipe segment

between said key cap and said coupler tube inner surface.

36. (Currently Amended) The tube coupling mechanism of claim

35 wherein said cap has a curvature corresponding to the curvature of said pipe

segment and said coupler tube inner surface.

37. (Currently Amended) The tube coupling mechanism of claim

34 wherein A tube coupling mechanism for rotationally aligning and positively

rotationally fixing two adjacent pipe segments relative to each other; said

coupling mechanism comprising a tube having opposed opened ends, said tube

being sized and shaped to axially receive said pipes segments in the opposed

opened ends of said tube; a seal to form a fluid tight seal between said pipe

segments and said tube; and a keying element which engages ends of said pipe

segments to rotationally align and rotationally fix adjacent pipe segments relative

to each other; said keying element being integral with said tube and extending

from a surface of said tube; said keying element comprising a rib extending

axially along a surface of said tube; said opening in said pipe segment

comprising a slot extending inwardly from an end of said pipe segment; said

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coupler includes including a stop on an inner surface of said coupler tube; said

stop being substantially perpendicular to said key; said stop being positioned in

said coupler body to be positioned approximately midway along the length of said

key.

38. (Withdrawn) The tube coupling mechanism of claim 37 wherein

said stop comprises a circumferential rib.

39. (Currently Amended) The tube coupling mechanism of claim

30 including A tube coupling mechanism for rotationally aligning and positively

rotationally fixing two adjacent pipe segments relative to each other; said

coupling mechanism comprising a tube having opposed opened ends, said tube

being sized and shaped to axially receive said pipe segments in the opposed

opened ends of said tube; a seal to form a fluid tight seal between said pipe

segments and said tube; and a keying element which engages ends of said pipe

segments to rotationally align and rotationally fix adjacent pipe segments relative

to each other; said keying element being integral said tube and extending from a

surface of said tube; a key position indicator on an outer surface of said coupler

tube, said key position indicator having an angular position on said tube

corresponding to the angular position of said key within said tube.

40. (Withdrawn) The coupling mechanism of claim 30 wherein said

pipe segment includes at least one rib; and said coupler including at least one

finger; one of said at least one rib and said at least one finger defining a groove

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which receives the other of said at least one rib and said at least one finger; said

at least one pipe segment rib and said at least one coupler finger engaging each

other to rotationally fix adjacent pipe segments relative to each other.

41. (Currently Amended) A coupler for rotationally aligning and

rotationally fixing two adjacent pipe segments of an animal drinking system

relative to each other; said pipe segments comprising a wall defining a passage

through which fluid can flow, at least one fluid outlet positioned along the length

of said wall; and a slot at at least one end of said wall; said coupler comprising a

hollow tube defined by a wall having an inner and outer surface; said tube being

sized and shaped to telescopically mate with and seal against said pipe

segments; said tube comprising a key sized and shaped to engage said pipes;

said key comprising at least one axially extending leg extending from said

surface wall; said coupler leg and said slots of said pipe segments being sized

and shaped such that said coupler leg engages said pipe segment slots; such

that, when said pipe segments are mated with said coupler, said outlets of said

two pipe sections will be rotationally aligned with each other.

42. (Original) The coupler of claim 41 wherein said key comprises

two axially extending legs, said legs being spaced apart from each other.

43. (Canceled)

44. (Currently Amended) The coupler of claim 42 wherein A

coupler for rotationally aligning and rotationally fixing two adjacent pipe segments

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relative to each other; said coupler comprising a hollow tube defined by a wall

having an inner and outer surface; said tube being sized and shaped to

telescopically mate with and seal against said pipe segments; said tube

comprising a key sized and shaped to engage said pipes; said key comprising at

two axially extending legs extending from said wall, said legs being spaced apart

from each other; said key further includes including an axially extending cap on

said leg, said cap having a bottom surface which extends outwardly from

opposite sides of said leg, whereby said key has a generally T-shaped

configuration in end elevation.

45. (Previously Presented) The coupler of claim 44 wherein said

key cap has a curvature corresponding to the curvature of said coupler inner

surface.

46. (Currently Amended) The coupler of claim 41 wherein A

coupler for rotationally aligning and rotationally fixing two adjacent pipe segments

relative to each other; said coupler comprising a hollow tube defined by a wall

having an inner and outer surface; said tube being sized and shaped to

telescopically mate with and seal against said pipe segments; said tube

comprising a key sized and shaped to engage said pipes; said key comprising at

least one axially extending leg extending from said wall; said coupler includes

including a stop on an inner surface of said coupler tube; said stop being

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substantially perpendicular to said key; said stop being positioned in said coupler

tube to be positioned approximately midway along the length of said key.

47. (Original) The coupler of claim 46 wherein said stop comprises

a circumferential rib, said key extending across said rib.

48. (Currently Amended) The coupler of claim 41 including A

coupler for rotationally aligning and rotationally fixing two adjacent pipe segments

relative to each other; said coupler comprising a hollow tube defined by a wall

having an inner and outer surface; said tube being sized and shaped to

telescopically mate with and seal against said pipe segments; said tube

comprising a key sized and shaped to engage said pipes; said key comprising at

least one axially extending leg extending from said wall; a key position indicator

on an outer surface of said coupler tube; said key position indicator having an

angular position on said tube corresponding to the angular position of said key

within said tube.

49. (Previously Presented) The coupler of claim 41 wherein said

tube includes a central section and opposed end sections, said central section

defining a first diameter and said outer sections defining a second diameter

greater than said first diameter; there being a shoulder formed between the

central and end sections; an end ring received in each of said tube end sections;

said end ring having an inner diameter substantially equal to the inner diameter

of said tube central section; said end ring having an axial length less than the

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axial length of said end sections, whereby, a gap is formed between an inner end of said end ring and said shoulder to receive a seal.

- 50. (Previously Presented) The coupler of claim 49 wherein one of said tube end sections and said end rings include a groove and the other of said tube end sections and said end rings include a projection; said projection being received in said groove to snap fit said end ring into said tube end section.
 - 51. (Canceled)
 - 52. (Canceled)
 - 53. (Canceled)
 - 54. (Canceled)
 - 55. (Canceled)
 - 56. (Canceled)
 - 57. (Canceled)
 - 58. (Canceled)
 - 59. (Canceled)
 - 60. (Canceled)
 - 61. (Canceled)
 - 62. **(Withdrawn)** The watering system of claim 1 wherein:

said pipe segments including a projection extending outwardly from an outer surface of said pipe segments; and

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said clips each including a pair of arms extending from said pipe receiving

section; said arms defining a groove sized and shaped to engage said stabilizing

bar shoulders; said clips including a pipe receiving section sized to receive said

pipe segment and a boot on said pipe receiving section; said boot defining a

pocket; said boot being positioned on said clip pipe receiving section to engage

said pipe segment projection to positionally fix said pipe segment relative to said

clip; whereby said clip keys said pipe segments to said stabilizing bar to prevent

rotational movement of said pipe segments relative to said stabilizing bar.